In re Application of:
    Albani and Prakken
Application No.: 09/828,574
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PATENT
ATTY. DOCKET NO.: UCSD1310-1

AMENDMENT

In the Specification:

Following the abstract, please insert the enclosed Substitute Sheets as replacement pages 1 through 10 of the Sequence Listing submitted previously for the above-referenced patent application.

Please amend the specification as follows:

Paragraph 00043 has been amended as follows:

[00043]   Heat shock protein-60 (hsp60) peptides of the invention include fragments of the sequence as set forth in SEQ ID NO:1   Examples of invention fragments (i.e., peptides) of the hsp60 heat shock protein include the peptides having the sequences as set forth in Table 1 (P1, 2, 3, 4, 5, 6, 7, and 8 are SEQ ID Nos:2, 3, 4, 5, 6, 7, 8, and 9, respectively). Heat shock protein dnaJ peptides of the invention include fragments of the sequence as set forth in SEQ ID NO:14, such as peptides having the sequences of SEQ ID No: 10. Such peptides or polypeptides of the invention may be substantially purified.

TABLE 1

	Myc/ Hum	Hsp60	Sequence (SEQ ID Nos:2-9)	Core epitope (SEQ ID Nos:14-23)	DR1 score	DR4 score	DR7 score	Pan DR score
P1	MYC	254-268	GEALSTLVVNKIRGT	LSTLVVNKI	42.37	17.03	276.91	3
P2	HUM	280-294	GEALSTLVLNRLKVG	LSTLVLNRL	12.46	.94	8.74	1
P3	MYC	216-230	PYILLVSSKVSTVKD	LVSSKVSTV	3.59	14.29	26.68	3
				YILLVSSKV	131.96	4.19	29.83	3
P4	HUM	242-256	AYVLLSEKKISSIQS	LSEKKISSI	.17	2.82	7.94	1
P5	MYC	210-224	EAVLEDPYILLVSSK	LEDPYILLV	28.51	.37	15.45	2
P6	HUM	236-250	KCEFQDAYVLLSEKK	FQDAYVLLS	40.82	3.63	96.80	3
P7	MYC	503-517	IAGLFLTTEAVVADK	LTTEAVVAD	1.76	.28	3.66	1
				FLTTEAVVA	10.51	1.28	18.65	2
P8	HUM	535-546	VASLLTTAEVVVTEI	LTTAEVVVT	12.03	3.34	68.00	3

Table 1 shows a set of hsp60 peptides selected on DR binding. The table shows (from left to right) the number of the peptide; the origin (human or mycobacterial), the peptide composition (in bold the core epitope); the core epitope; predicted binding to DR1, DR4, DR7; and the pan DR score. The cut off points for considering an epitope to be a good binder were as follows: DR1 ~ 1.570; DR4 ~ 2.617, DR7 ~ 9.106.